



# NIPPON KAIJI KYOKAI

## Certificate

OF

### TYPE APPROVAL

Approval No. NKY-1940  
Certificate No. TA201114E

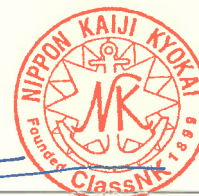
Article: Welding Consumables for High Tensile Steels for Hull  
Brand: LB-24  
Applicant: Kobe Steel, Ltd., Ibaraki Plant  
Ibaraki, Osaka, Japan  
Manufacturer: Kobe Steel, Ltd., Ibaraki Plant  
Ibaraki, Osaka, Japan  
Grade: KMW53H10  
Welding Process: Manual Welding  
Welding Positions and Max. Diameter of Electrode: See Table 1  
Current: AC and DCEP  
Shielding Gas: Not Applicable


Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	4.0mm	Flat:	4.0mm
Horizontal:	4.0mm	Horizontal Vertical:	4.0mm
Overhead:	4.0mm	Horizontal:	4.0mm
Vertical Upward:	4.0mm	Horizontal Overhead:	4.0mm
Vertical Downward:	Not Applicable	Overhead:	4.0mm
		Vertical Upward:	4.0mm
		Vertical Downward:	Not Applicable




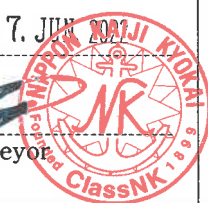

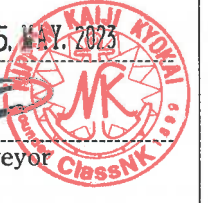
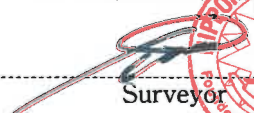
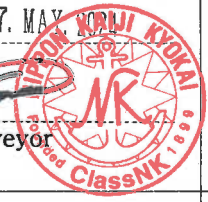
THIS IS TO CERTIFY that the above mentioned welding consumable has been approved by the NIPPON KAIJI KYOKAI in accordance with the requirements of the Society's Rules.

This Certificate will remain in force until 1 June 2021.  
Issued at Tokyo on 25 September 2020.



  
Y. Takao  
General Manager  
Material and Equipment Department

Notes (1) The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.  
(2) This certificate was rewritten because of addition of current.

<p>The validity of this certificate has been renewed until <u>1, JUN. 2022</u> .</p> <p>Date: <u>14, MAY, 2022</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>1, JUN. 2023</u> .</p> <p>Date: <u>27, JUN, 2023</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>1, JUN. 2024</u> .</p> <p>Date: <u>15, MAY, 2023</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>1, JUN. 2025</u> .</p> <p>Date: <u>17, MAY, 2023</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>